

VIA AIR MAIL

## NATIONAL SCIENCE FOUNDATION

WASHINGTON, D.C. 20550

DIVISION OF COMPUTER RESEARCH

STATINTL

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March 18, 1975

Dr. B. I. Rameyev  
Chairman, USSR Side of the US - USSR  
Joint Working Group in the Field of the  
Application of Computers to Management  
State Committee of the USSR  
Council of Ministers for Science and Technology  
11 Gorky Street  
Moscow, USSR

Dear Dr. Rameyev:

In my letter of January 31, I indicated I would send you a report on US efforts to implement the joint US - USSR program in the field of the Applications of Computers to Management. Furthermore, Mr. Kolesnikov in our telephone conversation of February 27 informed me of your suggestion for a "master plan" for the activities proposed for the coming year in our cooperation.

Accordingly, I have prepared a brief status and schedule of activities in 1975 for each of the five topics in the program of our Working Group. The status and schedule are based on discussions with US Coordinators and the five protocols that were signed in Washington in December 1974. After you and the Soviet coordinators have had an opportunity to review this schedule, and to make any changes that may be needed, it could serve as a basis for our "action plan" for the remainder of 1975 and the beginning of 1976. Please advise me if this is agreeable to you.

I would also like to advise you of an organizational change in US efforts to develop and implement our cooperative program. Topic 5 (Computer-aided Refinement of Decision-making of High-level Executives) is closely related to the four other topics and particularly to Topic 2 (Computer Analysis Applied to the Economics and Management of Large Systems). In view of this close association with Topic 2 in which our cooperation has already progressed considerably, I have asked Mr. Harvey McMains to serve in the dual role of Coordinator of Topic 2 and to coordinate both Topics 2 and 5 in much the same way that Mr. Lebedevskiy coordinates the programs of Topics 1 and 2. Professor John Lubin will continue in his role as Coordinator of Topic 5. I believe this special coupling of Topics 2 and 5 through the efforts of Mr. McMains will strengthen our joint program considerably.

I also believe we are making good progress in Topics 1, 2 and 3 and shall have much to report to the US - USSR Joint Commission at its next

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*Computers in Management*

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Letter to Dr. Rameyev

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meeting. We are looking forward especially to the visit of Mr. Lebedinskiy as well as to the several conferences and other project activities planned for these three topics.

We have already done much in defining the program of Topic 4 and I hope the visit of the US delegation to the USSR planned for this spring will permit us to complete the development of this program. Our preference is that this visit be scheduled to begin on June 8 as I indicated to you in my cable earlier in March.

It is my opinion that we still have much to do in completing the definition of Topic 5, although the meetings in December were particularly productive for exploring possible activities of mutual interest. The next meeting of coordinators and experts is planned for October 1975 in the USSR in accordance with the protocol signed in Washington in December 1974. In view of the decision of the US - USSR Joint Commission in its report of October 26, 1974, that we should make further efforts to move ahead in defining Topics 4 and 5, I would like to propose that this next meeting of coordinators and experts be held in June or July. One possibility is that the visit follow the meetings in the USSR in June on Topic 4 as I indicated in my cable to you earlier this month. If the Soviet side were agreeable to this change, we should be able to complete the definition of both Topics 4 and 5 prior to the next meeting of the US - USSR Joint Commission.

I will look forward with much interest to your response to these proposals.

Sincerely,



D. D. Aufenkamp  
Head, Computer Applications  
in Research  
Chairman, US Side of the  
US - USSR Joint Working Group in  
the Field of the Application of  
Computers to Management

Enclosure

ACTION PLAN 1975

US - USSR SCIENTIFIC AND TECHNICAL COOPERATION IN THE FIELD OF THE APPLICATION OF COMPUTERS TO MANAGEMENT  
TOPIC 1: ECONOMETRIC MODELING

Meetings of coordinators and specialists for joint discussion of progress of work	Seminars, conferences, and other joint project activities	Travel of specialists for familiarization of work of organizations and institutes	Short and long-term visits of specialists	Exchange of information, other activities
<p>US, April 1975</p> <p>USSR, July 1975</p> <p>US, Fall 1975</p> <p>USSR, November 1975</p> <p>(meetings of coordinators maybe combined where desirable with seminars, conferences and visits of specialists)</p>	<p>Conference on Macromodeling. Moscow, Sept 15-17, 1975. Co-chairman: R. Dorfman and Y. Ivanov (10 experts each side)</p> <p>Conference on analysis of national forecasting models (proposed by US). Fall 1975 or Spring 1976. (10 experts each side)</p>	<p>National economy models. (3 US experts visit USSR and 3 experts visit US for 9 days. July 1974-July 1975)</p> <p>Agricultural production functions and models. (3 USSR experts to visit US April 1975; 3 US experts to visit USSR July 1975)</p> <p>Models and analysis of Alaskan-Siberian development. (3 US experts visit USSR and 3 USSR experts visit US for 9 days July 1974-July 1975; see also Topic 2)</p> <p>Methodology of national accounts. (specific meetings not yet proposed; see short and long-term exchanges)</p> <p>Information systems design for large data bases. (initial meeting held in US in October 1974 under auspices of Topic 2)</p>	<p>Short and long-term visits by US and USSR specialists to institutions of research on methodology of national accounts. (1 expert from US and 1 from USSR for 30 days during July 1974 - July 1975)</p>	<p>Coordination to agree on further exchange of abstracts and other information, sub-topics. April 1975, US; July 1975, USSR</p> <p>Exchange of trip reports proposed on visits and meetings. April 1975, June 1975, September 1975.</p>

<p>US - USSR SCIENTIFIC AND TECHNICAL COOPERATION IN THE FIELD OF THE APPLICATION OF COMPUTERS TO MANAGEMENT</p> <p>ACTION PLAN: 1975</p> <p>TOPIC 2: Computer Analysis Applied to the Economics and Management of Large Systems</p>				
<p>Meetings of coordinators and specialists for joint discussion of progress of work</p>	<p>Seminars, conferences, and other joint project activities</p>	<p>Travel of specialists for familiarization of work of organizations and institutes</p>	<p>Short and long-term visits of specialists</p>	<p>Exchange of information; other activities</p>
<p>US, December 1974</p> <p>US, April 1975</p> <p>USSR, June 1975</p> <p>US, Fall 1975</p> <p>USSR, November 1975</p> <p>(meetings of coordinators may be combined where desirable with seminars, conferences and visits of specialists)</p>	<p>Conference on modeling and use of computers for management and development of transportation systems. USSR, June-July 1975. Proceedings to be published.</p> <p>Conferences on regional economic development modeling in northern regions of US and USSR. Coordinated with Topic 1) (proposed by US) Novosibirsk, September 1975 Alaska, Spring 1976. Proceedings to be published.</p>	<p>Modeling and computer applications for technology management systems. US April 1975 (delegation headed by N.Z. Lebedinskiy)</p> <p>Problems and analysis of energy sector. (periodic meetings of experts preceded by exchange of materials and information.)</p> <p>Methodological problems of handling uncertainty in planning economic systems (periodic meetings of US-USSR experts)</p>	<p>Long-term exchange of specialists for analysis of computer applications and methodology for economic data systems in the US and USSR (proposed by US). (to be coordinated with Topic 1)</p>	<p>Coordinators to agree on further exchange of abstracts and other information on subtopics April 1975, June 1975, November 1975. Exchange of trip reports proposed on visits and meetings. April 1975, June 1975, November 1975.</p> <p>Exchange of materials of energy sector models proposed in advance of joint meetings of US-USSR specialists for planning of joint and coordinated research on energy models. September 1975</p>

ACTION PLAN: 1975  
for US - USSR SCIENTIFIC & TECHNICAL COOPERATION IN THE FIELD OF THE APPLICATION OF COMPUTERS TO MANAGEMENT  
TOPIC 3: APPLICATION TO COMPUTERS TO THE MANAGEMENT OF LARGE CITIES

Meetings of coordinators and specialists for joint discussion of progress of work	Seminars, conferences and other joint project activities	Travel of specialists for familiarization of work of organizations and institutes	Short and long-term visits of specialists	Exchange of information and other activities
<p>US, December 1974</p> <p>USSR, June 1975</p> <p>US, October or November 1975</p>	<p>Joint project on description of systems of city management (Project 1). Report to be published. (Estimated completion date - early 1976)</p> <p>Joint project on survey of city management data processing systems and resources (Project 2). Report to be published. (Estimated completion date - early 1976)</p> <p>Joint project on methodology of design, development and introduction of city management information systems (Project 5) Report to be published. (Estimated completion date - early 1976)</p> <p>Joint seminar on automated management systems, USSR, June 1975.</p> <p>Joint seminar on automated management systems, US, Fall 1975</p> <p>Seminar on urban passenger transportation and urban goods distribution (Projects 3 and 4) US, Fall 1975</p>	<p>Management issues in systems for urban passenger transportation (Project 3) USSR, April 1975.</p> <p>Urban goods distribution (Project 4) USSR, April 1975</p> <p>City management functions, data systems and resources. USSR, June 1975; US, Fall 1975</p>	<p>More proposed in current planning</p>	<p>Exchange of information and materials is included in each project activity and related seminar.</p>

ACTION PLAN: 1975

US - USSR Scientific and Technical Cooperation in the Field of the Application of Computers to Management

Topic 4: Theoretical Foundation of Software for Applications in Economics and Management

<p>Meetings of coordinators and specialists for joint discussion of progress of work</p> <p>US, December 1974 USSR, June 1975</p> <p>Regular meetings are proposed in each country to discuss joint research.</p> <p>(Program of cooperation proposed by coordinators and specialists must be endorsed by US-USSR Joint Commission before implementation)</p>	<p>Seminars, conferences and other joint project activities</p> <p>Proposed special purpose conferences, symposia, and seminars.</p> <p>Proposed joint development, testing and evaluation of programs, algorithms and other software.</p> <p>Proposed joint efforts to advance and present research results, for example, joint research, writing and presentation of papers.</p> <p>Specific project activities will be developed by the coordinators and specialists.</p>	<p>Travel of specialists for familiarization of work of organizations and institutes</p> <p>Visit of US delegation to USSR in June 1975. (Organizations of mutual interest will be visited in Moscow, Minsk, Tbilisi, Tashkent and Novosibirsk)</p>	<p>Short and long-term visits of specialists</p> <p>Both short and long-term visits have been proposed.</p>	<p>Exchange of information; other activities</p> <p>Proposed exchange of information and summaries of research in the US and USSR</p>
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ACTION PLAN: 1975

US - USSR Scientific and Technical Cooperation in the Field of  
the Application of Computers to Management  
Topic 5: Computer-aided Refinement of Decision-making of High Level Executives

<p>Meetings of coordinators and specialists for joint discussion of progress of work</p> <p>US, December 1974</p> <p>USSR, October 1975 (earlier if possible)</p> <p>Regular meetings held each year alternating between US and USSR.</p> <p>(Program of cooperation proposed by coordinators and specialists must be endorsed by US-USSR Joint Commission before implementation)</p>	<p>Seminars, conferences and other joint project activities</p> <p>Proposed conferences and seminars held once a year, alternating between US and USSR, to summarize ongoing cooperative work.</p> <p>Proposed cooperative preparation of teaching materials, computer programs and other instructional aids useful on the training of high-level managers.</p> <p>Specific project activities will be developed by the coordinators and specialists.</p>	<p>Travel of specialists for familiarization of work of organizations and institutes</p> <p>Visit of US delegation to USSR in October 1975 (earlier if possible)</p>	<p>Short and long-term visits of specialists</p> <p>Proposed organization of exchanges of high-level management personnel and educators involved in training of high-level management personnel.</p>	<p>Exchange of information; other activities</p> <p>Proposed regular exchange of information useful in the training of high-level managers.</p>
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